

# MARK VI™ BASS XP™ SERIES

B A S S   A M P   H E A D

O P E R A T I N G   G U I D E





Intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

**CAUTION:** Risk of electrical shock – DO NOT OPEN!

**CAUTION:** To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

**WARNING:** To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, read the operating guide for further warnings.



Este símbolo tiene el propósito de alertar al usuario de la presencia de "(voltaje) peligroso" que no tiene aislamiento dentro de la caja del producto que puede tener una magnitud suficiente como para constituir riesgo de corrientazo.



Este símbolo tiene el propósito de alertar al usuario de la presencia de instrucciones importantes sobre la operación y mantenimiento en la literatura que viene con el producto.

**PRECAUCION:** Riesgo de corrientazo – No abra.

**PRECAUCION:** Para disminuir el riesgo de corrientazo, no abra la cubierta. No hay piezas adentro que el usuario pueda reparar. Deje todo mantenimiento a los técnicos calificados.

**ADVERTENCIA:** Para evitar corrientazos o peligro de incendio, no deje expuesto a la lluvia o humedad este aparato. Antes de usar este aparato, lea más advertencias en la guía de operación.



Ce symbole est utilisé pour indiquer à l'utilisateur la présence à l'intérieur de ce produit de tension non-isolée dangereuse pouvant être d'intensité suffisante pour constituer un risque de choc électrique.



Ce symbole est utilisé pour indiquer à l'utilisateur qu'il ou qu'elle trouvera d'importantes instructions sur l'utilisation et l'entretien (service) de l'appareil dans la littérature accompagnant le produit.

**ATTENTION:** Risques de choc électrique – NE PAS OUVRIR!

**ATTENTION:** Afin de réduire le risque de choc électrique, ne pas enlever le couvercle. Il ne se trouve à l'intérieur aucune pièce pouvant être réparée par l'utilisateur. Confier l'entretien à un personnel qualifié.

**AVERTISSEMENT:** Afin de prévenir les risques de décharge électrique ou de feu, n'exposez pas cet appareil à la pluie ou à l'humidité. Avant d'utiliser cet appareil, lisez les avertissements supplémentaires situés dans le guide.



Dieses Symbol soll den Anwender vor unisolierten gefährlichen Spannungen innerhalb des Gehäuses warnen, die von Ausreichender Stärke sind, um einen elektrischen Schlag verursachen zu können.



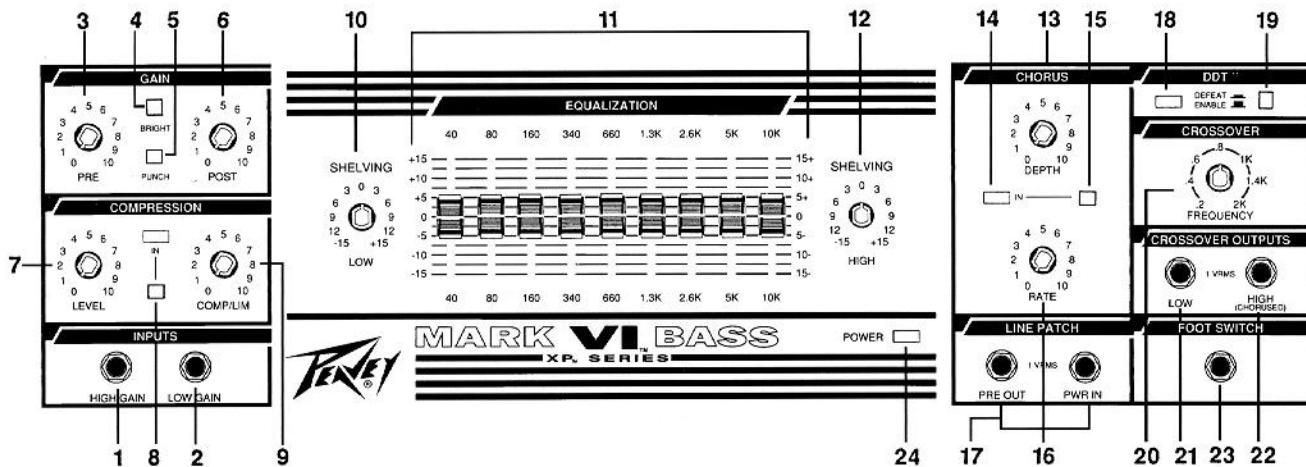
Dieses Symbol soll den Benutzer auf wichtige Instruktionen in der Bedienungsanleitung aufmerksam machen, die Handhabung und Wartung des Produkts betreffen.

**VORSICHT:** Risiko – Elektrischer Schlag! Nicht öffnen!

**VORSICHT:** Um das Risiko eines elektrischen Schläges zu vermeiden, nicht die Abdeckung entfernen. Es befinden sich keine Teile darin, die vom Anwender repariert werden könnten. Reparaturen nur von qualifiziertem Fachpersonal durchführen lassen.

**ACHTUNG:** Um einen elektrischen Schlag oder Feuergefahr zu vermeiden, sollte dieses Gerät nicht dem Regen oder Feuchtigkeit ausgesetzt werden. Vor Inbetriebnahme unbedingt die Bedienungsanleitung lesen.

# E N G L I S H



### **HIGH GAIN INPUT (1)**

Used for most electric basses. It is 6 dB louder than the Low Gain Input.

### **LOW GAIN INPUT (2)**

Provided for instruments that have extremely high outputs, which can result in overdriving (distorting) the High Gain input. If both inputs are used simultaneously, the output levels are the same (both are Low Gain).

### **PRE GAIN (3)**

Controls the input gain of the preamplifier.

### **BRIGHT SWITCH (4)**

Provides a preset boost ( $\pm 8$  dB) to treble frequencies. To activate, depress the switch to its “in” position.

### **PUNCH SWITCH (5)**

Provides a preset boost (+8 dB) to midbass frequencies. To activate, depress the switch to its “in” position.

### **POST GAIN (6)**

Controls the overall volume level of the amplifier. The final level adjustment should be made after the desired sound has been achieved.

### **LEVEL (7)**

Adjusts the output level of the compressor/limiter.

### **COMPRESSOR ACTIVE SWITCH AND DISPLAY (8)**

To activate the compressor, depress the switch to the “in” position. The LED will light when the compressor is active.

### **COMP/LIM (9)**

Adjusts the amount of compression (compression ratio).

### **LOW (10)**

An active tone control (shelving type,  $\pm 15$  dB) that varies the low frequency range.

**CAUTION:** Excessive low frequency boost causes greater power consumption and increases possibility of speaker damage.

### **GRAPHIC EQ (11)**

Provides  $\pm 15$  dB equalization at each center frequency.

### **HIGH (12)**

An active tone control (shelving type,  $\pm 15$  dB) that varies the high frequency range.

**DEPTH CONTROL (13)**

Controls the depth (intensity) of the chorus effect.

**CHORUS ACTIVE LED (14)**

Indicates the chorus effect has been selected. Chorus may be activated by the chorus select switch or the remote footswitch.

**CHORUS SELECT SWITCH (15)**

Is used to activate/defeat the chorus circuit. To activate the circuit, depress the switch to its "in" position. When activated, the green LED above the switch will illuminate.

**RATE (16)**

Controls the sweep rate (frequency) of the chorus effect.

**PREAMP OUT/POWER AMP IN (17)**

These jacks are provided for in-line patching of effects devices. To patch an effects unit, connect the Preamp Output to the Input of the device. Next, connect the output of the device to the Power Amp Input (high-quality shielded cables must be used for these connections). The Preamp Output can also be used to route the amplified signal to a mixing console, tape recorder, etc. Connect the Preamp Output, using a shielded cable, to an input of the tape recorder, mixer, etc. This patch does not affect the operation of the amplifier.

**NOTE:** The preamp output level is approximately 1 volt RMS and is of relatively low impedance (600 ohms). Any effects device used in this effects loop must be capable of receiving 1 volt input and providing 1 volt output in order to properly drive the power amp. The Power Amp Input has an internal switch which disconnects the internal preamp.

**DDT ACTIVE LED (18)**

Illuminates when DDT™ compression is taking place. With the DDT Enable/Defeat switch in the defeat position, the LED is disabled.

**DDT COMPRESSION ENABLE/DEFEAT (19)**

DDT Compression is defeated when the pushbutton is "in." DDT should be enabled at all times to protect speakers.

**ELECTRONIC CROSSOVER (20)**

Controls the frequency of the crossover dividing network.

**CAUTION:** When operation of the amplifier in the biamp mode is desired, it is essential to select the crossover frequency before operating the amplifier. Incorrect selection of the crossover frequency (too low) may cause damage to the high-frequency drivers.

**LOW OUT (21)**

Provides a post crossover low range signal that may be patched to the input of a power amplifier. The signal level at this point is dependent on the post gain setting.

**HIGH OUT CHORUS (22)**

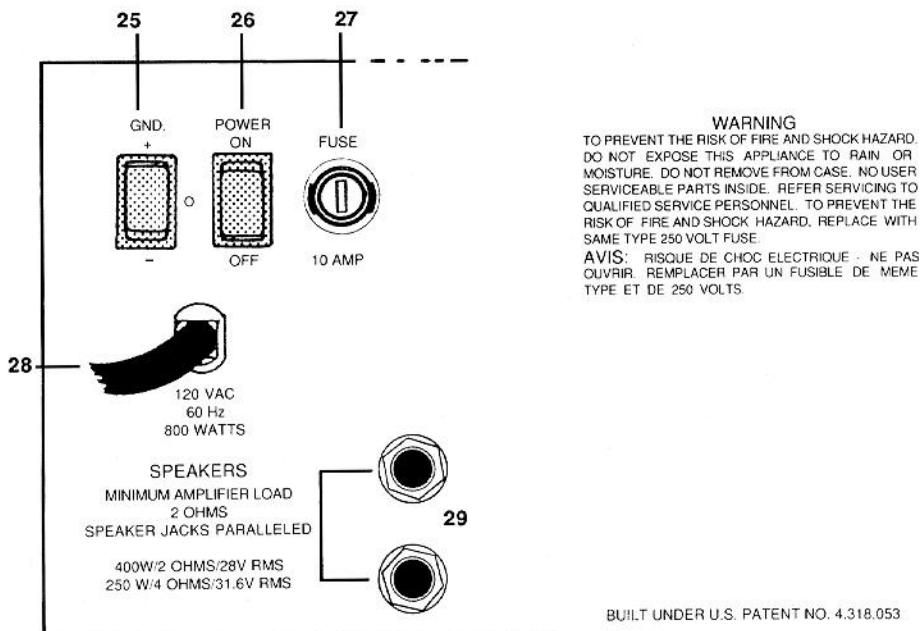
Provides a post crossover high range signal that may be patched to the input of a power amplifier. If the chorus effect has been selected the signal at this point will be chorused. The signal level is dependent on the post gain setting.

**REMOTE SWITCH JACK (23)**

Provided for the connection of the optional remote footswitch. The footswitch is used to activate/defeat the chorus circuit and the compressor circuit.

## **POWER LED (24)**

Illuminates when AC power is being supplied to the amp.



## **GROUND SWITCH (25)**

Three position rocker-type switch which, in most applications, should be operated in its center or zero position. There may be some situations when audible hum and/or noise will come from the loudspeaker. If this situation arises, position the ground switch to either positive or negative (+ or -) or until the noise is minimized.

**NOTE:** Should the noise problem continue, consult your Authorized Peavey Dealer, the Peavey Factory, or a qualified service technician. THE GROUND SWITCH IS NOT FUNCTIONAL ON 220/240 VOLT MODELS.

## **POWER SWITCH (26)**

Depress to "On" position to turn on.

## **FUSE (27)**

The fuse is located within the cap of the fuseholder. If the fuse should fail, IT MUST BE REPLACED WITH THE SAME TYPE AND VALUE IN ORDER TO AVOID DAMAGE TO THE EQUIPMENT AND TO PREVENT VOIDING THE WARRANTY. If the amp repeatedly blows fuses, it should be taken to a qualified service center for repair.

**WARNING:** THE FUSE SHOULD ONLY BE REPLACED WHEN THE POWER CORD HAS BEEN DISCONNECTED FROM ITS POWER SOURCE.

## **LINE CORD (120 V PRODUCTS ONLY) (28)**

For your safety, we have incorporated a 3-wire line (mains) cable with proper grounding facilities. It is not advisable to remove the ground pin under any circumstances. If it is necessary to use the equipment without proper grounding facilities, suitable grounding adaptors should be used. Less noise and greatly reduced shock hazard exists when the unit is operated with the proper grounded receptacles.

## **SPEAKER OUTPUT JACKS (29)**

Provided for connection of external speaker(s). Minimum total impedance is 2 ohms.

## SPECIFICATIONS

### POWER AMP SECTION

#### Rated Power & Load:

250 W RMS into 4 ohms  
400 W RMS into 2 ohms with  
DDT™ compression

#### Power @ Clipping: (Typically)

(1 kHz, 120 V AC line)  
290 W RMS into 4 ohms  
@ 1% THD  
320 W RMS into 4 ohms  
@ 5% THD

#### Frequency Response:

+0, -2 dB 20 Hz to 30 kHz  
@ 240 W RMS into 4 ohms

#### Total Harmonic Distortion:

Less than 0.2%, 100 mW to  
240 W RMS, 20 Hz to 10 kHz,  
4 ohms (typically below 0.1%)

#### DDT™ Dynamic Range:

Greater than 20 dB

#### DDT™ Maximum THD:

Below 0.5% THD for 6 dB  
overload  
Below 1% THD for 16 dB  
overload

#### Hum & Noise:

Greater than 98 dB below rated  
power

#### Power Consumption:

800 W, @ 120 V AC 50/60 Hz

### PREAMP SECTION

The following specs are measured @ 1 kHz  
with the low, high, graphic EQ @ 0 dB

Push Bright & Push Punch  
Out (Off)  
Post Gain @ 10  
Push Chorus Off

#### Nominal Levels are with Pre Gain @ 5

#### Minimum Levels are with Pre Gain @ 10

#### Preamp High Gain Output:

Impedance: High Z, 220 K ohms  
Nominal Input Levels: -17 dBV,  
140 mV RMS  
Minimum Input Level: -37 dBV,  
13 mV RMS  
Maximum Input Level: +10 dBV,  
3 V RMS

#### Preamp Low Gain Input:

Impedance: High Z, 44 K ohms  
Nominal Input Level: -11.4 dBV,  
270 mV RMS  
Minimum Input Level: -32 dBV,  
25 mV RMS  
Maximum Input Level:  
+16 dBV, 6 V RMS

#### Preamp Output:

Load Impedance: 1 K ohms  
or greater  
Nominal Output Level: 0 dBV,  
1.0 V RMS (at the DDT limit of  
250 W RMS output)  
Maximum Output Level:  
+19 dBV, 9 V RMS

#### Power Amp Input:

Impedance: High Z, 22 K ohms  
Designed Input Level: 0 dBV,  
1 V RMS  
switching jack providing preamp  
output to power amp input connec-  
tion when not used)

#### System Hum & Noise

#### @ Nominal Input Level:

(20 Hz to 20 kHz unweighted)  
Greater than 85 dB below  
rated power

#### Equalization:

Low & High: ±15 dB @ 80 Hz  
& 8 kHz, shelving  
9 Band Graphic: ±15 dB @ 40,  
80, 160, 340, 660, 1.3 K, 2.6 K,  
5 K, 10 K; Peak/Notch  
Push Bright: +10 dB @ 7 kHz  
Push Punch: Special EQ

#### Variable Crossover:

Frequency Range: 200 Hz to  
2 kHz  
Slope: 12 dB/Octave

#### Crossover High/Chorus

#### Output: (High Pass Signal)

Load Impedance: 1 K ohms or  
greater  
Nominal Output Level: 0 dB,  
1.0 volt RMS (at the DDT limit  
of 250 W RMS output)  
Maximum Output Level:  
+19 dBV, 9 volts RMS

#### Crossover Low Output:

#### (Low Pass Signal)

Load Impedance: 1 K ohms or  
greater  
Nominal Output Level: 0 dB,  
1.0 volt RMS (at the DDT limit  
of 250 W RMS output)  
Maximum Output Level:  
+19 dBV, 9 volts RMS

#### Chorus:

Controls: Depth and rate with  
push switch

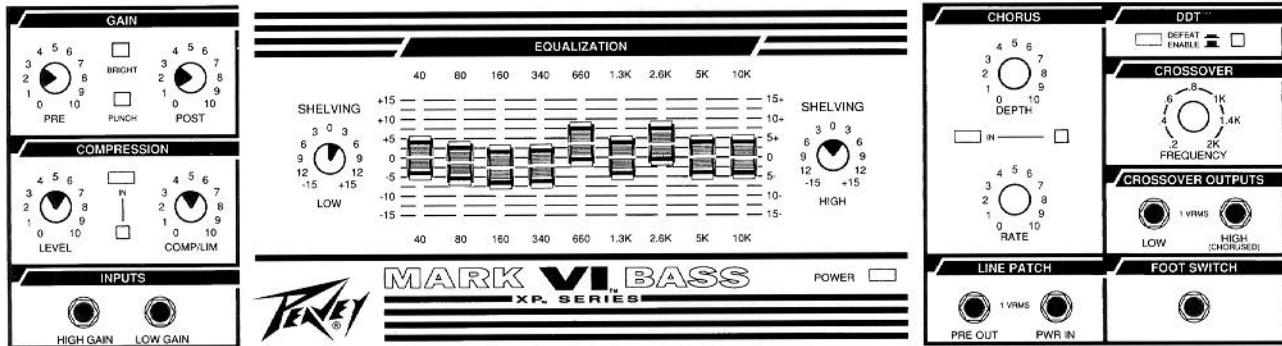
Source: Crossover high pass  
output signal

Re-Mix: With full range output  
& high pass output

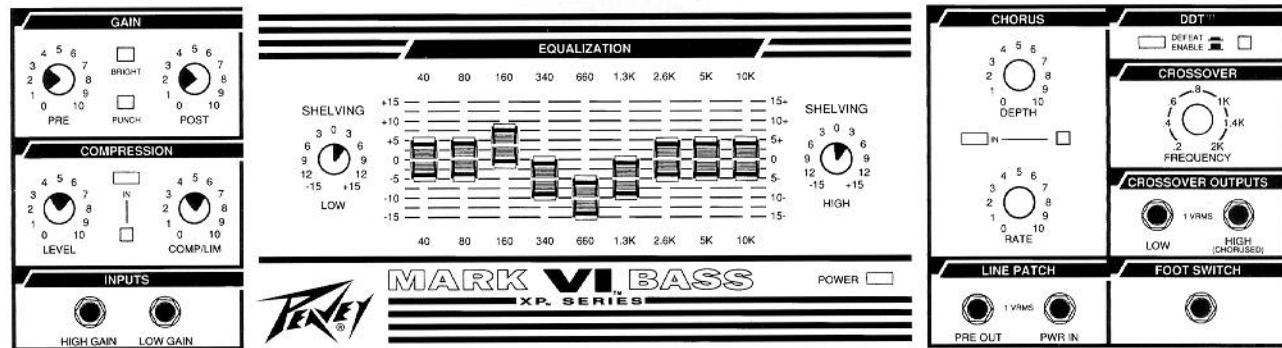
Footswitch: External single  
button

# TONE SETTING CHART

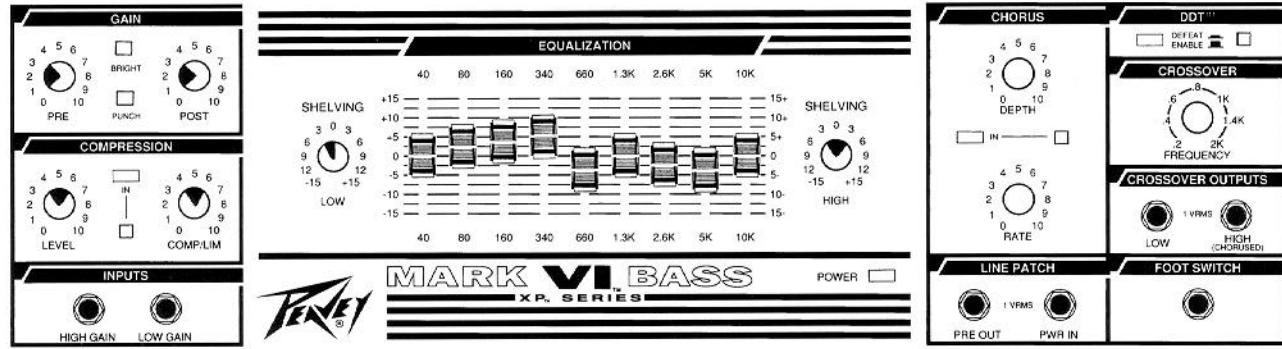
## ROCK



## FUNK



## COUNTRY



Tone settings given are general and will vary according to type of guitar, type and gauges of strings, type of pickup and even type of pick. Personal taste, playing style, and type of music greatly contribute to desired tonality.

## E S P A Ñ O L

**Consulte los diagramas del panel  
delantero en la sección de inglés de este manual.**

**HIGH GAIN INPUT (Entrada de alta ganancia) (1)**

Se usa para la mayoría de los bajos eléctricos. Tiene 6 dB más volumen que la entrada de baja ganancia.

**LOW GAIN INPUT (Entrada de baja ganancia) (2)**

Se suministra para instrumentos que tienen una salida extremadamente alta, la cual puede causar la sobrecarga (distorsión) de la entrada de alta ganancia. Si se usan ambas entradas simultáneamente, el nivel de salida es el mismo (ambos son de baja ganancia).

**PRE GAIN (Ganancia previa) (3)**

Controla la ganancia de entrada del preamplificador.

**BRIGHT SWITCH (Interruptor de brillo) (4)**

Proporciona un impulso de  $\pm 8$  dB a las frecuencias agudas. Para activar empuje el interruptor hacia dentro.

**PUNCH SWITCH (Interruptor para obtener más impulso) (5)**

Provee un aumento de  $+8$  dB a las frecuencias medias graves. Para activar este control empuje hacia dentro.

**POST GAIN (Control de ganancia posterior al preamplificador) (6)**

Controla el nivel global de volumen del amplificador. El ajuste final de nivel debe hacerse una vez que se haya conseguido el sonido deseado.

**LEVEL (Nivel) (7)**

Este control ajusta el nivel de salida del compresor/limitador.

**COMPRESSOR ACTIVE SWITCH AND DISPLAY (Interruptor e indicador de compresor activo) (8)**

Para activar el compresor, ponga el interruptor en la posición "in" (hacia adentro). Quedará iluminado el LED cuando el compresor esté activo.

**COMP/LIM (Compresor/limitador) (9)**

Este control ajusta la cantidad de compresión (relación de compresión).

**LOW (Ecualizador de frecuencias graves) (10)**

Un control de tono activo (tipo shelving,  $\pm 15$  dB) que varía la gama de frecuencias graves.

**PRECAUCION:** Un impulso excesivo a las frecuencias graves produce mayor consumo de potencia y aumenta la posibilidad de dañar el altavoz.

**GRAPHIC EQ (Ecualizador gráfico de 9 bandas) (11)**

Proporciona  $\pm 15$  dB de ecualización a cada frecuencia del centro.

**HIGH EQ (Ecualizador de frecuencias agudas) (12)**

Control de tono activo (tipo "repisa",  $\pm 15$  dB) que varía la gama de frecuencias agudas.

**DEPTH CONTROL (Control de amplitud) (13)**

Controla la amplitud (intensidad) del efecto de coro.

**CHORUS ACTIVE LED (LED indicando coro activo) (14)**

Indica que el efecto de coro ha sido seleccionado. Se puede activar el coro puede por medio del interruptor de selección de coro o con el pedal interruptor de control remoto.

**CHORUS SELECT SWITCH (Botón para prender o apagar el efecto decoro) (15)**

Se utiliza para activar/desactivar el circuito de coro. Para activar el circuito empuje el botón hacia dentro. Cuando se activa, una LED verde arriba del botón se enciende.

**RATE (Control de velocidad) (16)**

Controla la velocidad de barrido (frecuencia) del efecto de coro.

**PREAMP OUT/POWER AMP IN (Salida del preamplificador/Entrada del amplificador de potencia) (17)**

Se suministran estos enchufes hembras para conectar aparatos de efectos en línea. Para conectar un aparato de efectos, conecte la salida del preamplificador a la entrada del aparato, después conecte la salida del aparato a la entrada del amplificador de potencia. (Para este tipo de conexión debe usar cables blindados de buena calidad.) La salida del preamplificador también se puede usar para mandar la señal a nivel de línea a una consola de mezcla, grabadora, etc. Esta conexión no afecta la función del amplificador.

**NOTA:** El nivel de salida del preamplificador es aproximadamente 1 voltio “RMS” y es de relativamente baja impedancia (600 ohms). Cualquier aparato de efectos que se use en este lazo de efectos debe ser capaz de recibir 1 voltio de entrada y proveer 1 voltio de salida para impulsar correctamente el amplificador de potencia. La entrada del amplificador de potencia tiene un interruptor interno que desconecta el preamplificador interno.

**DDT™ ACTIVE LED (LED indicando DDT™ Activo) (18)**

Se ilumina cuando ocurre la compresión del DDT™. Cuando el interruptor DDT™ “Enable/Defeat” (DDT™ Activada/Desactivada) está en la posición “Defeat” (Desactivada), la LED queda apagada.

**DDT™ COMPRESSION ENABLE/DEFEAT****(Control de activación/desactivación de compresión DDT™) (19)**

La compresión DDT™ se desactiva cuando el botón se encuentra en la posición hacia fuera (“OUT”). El DDT se debe activar siempre para proteger los altavoces.

**ELECTRONIC CROSSOVER (Control de frecuencias del divisor de frecuencias) (20)**

Controla las frecuencias del sistema divisor de frecuencias (“crossover network”).

**PRECAUCION:** Cuando se utiliza el amplificador en la modalidad bi-amplificada es esencial seleccionar la frecuencia del divisor antes de operar el aparato. La selección incorrecta de la división de frecuencias (muy baja) puede causar daño a los “drivers” o “tweeters” agudos.

**LOW OUT (Salida baja) (21)**

Proporciona una señal de banda baja, posterior al “crossover” o divisor de frecuencias, que puede conectarse a la entrada de un amplificador de potencia. El nivel de la señal en este punto depende del ajuste del control de ganancia posterior.

**HIGH OUT CHORUS (Salida alta de coro) (22)**

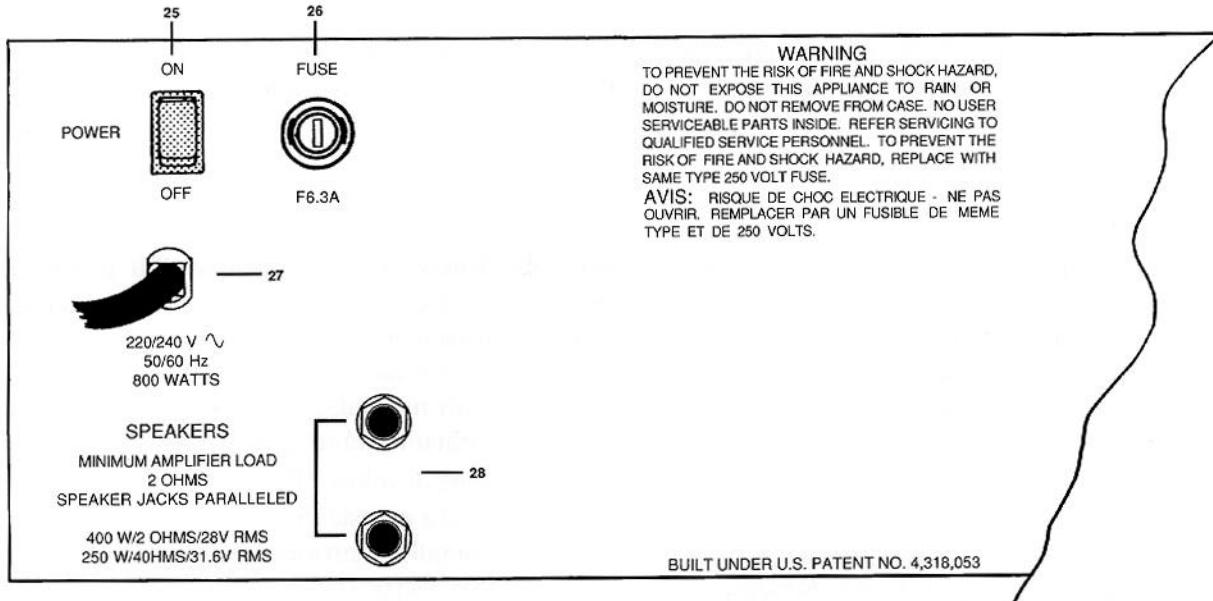
Proporciona una señal de la gama alta posterior al divisor de frecuencias que puede enviarse a la entrada de un amplificador de potencia. Si el control de efecto de coro ha sido seleccionado, la señal en este punto tendrá efecto de coro. El nivel de la señal depende del ajuste del control de ganancia posterior.

**REMOTE SWITCH JACK (Enchufe hembra de interruptor remoto) (23)**

Se suministra para conectar el pedal interruptor de control remoto. El pedal se usa para activar/desactivar el efecto de coro.

**POWER LED (LED indicador de corriente) (24)**

Se ilumina cuando el amplificador recibe corriente alterna.



### POWER SWITCH (Interruptor de Corriente) (25)

Empuje éste interruptor para encender el aparato.

### FUSE (Fusible) (26)

El fusible se encuentra localizado dentro de la cápsula del portafusible. Si el fusible se quema o falla, SE DEBERA REEMPLAZAR CON UNO DEL MISMO TIPO Y VALOR, PARA EVITAR DAÑO AL APARATO Y EL ANULAMIENTO DE LA GARANTIA. Si el aparato quema los fusible repetidamente, cerciórese de que está conectado a un tomacorriente con el voltaje adecuado, si esto es correcto, entonces desconéctelo y llévelo a revisión por un técnico autorizado.

**ATENCION:** Antes de reemplazar el fusible quemado, cerciórese de que el aparato está completamente desconectado del tomacorriente.

### LINE CORD (120 V PRODUCTS ONLY) (Cable de corriente para 120 v solamente) (27)

Para su protección hemos incorporado un cable de 3 polos con polo a tierra. No es recomendable remover la pata del polo a tierra bajo ninguna circunstancia, se recomienda un adaptador en caso necesario. Esto reducirá ruidos y peligrosos corrientazos.

### SPEAKER OUTPUT JACKS (Salidas de altavoces) (28)

Se suministra para la conexión de altavoz(ces) externo(s). El mínimo total de impedancia es de 2 ohms.

# F R A N C A I S

Veuillez vous référer au “front panel line art”  
situé dans la section en langue anglaise de ce manuel.

## **HIGH GAIN INPUT (Entrée haut gain) (1)**

À utiliser avec la plupart des basses électriques. Elle donne un volume plus élevé de 6 dB que l’entrée “Low Gain”.

## **LOW GAIN INPUT (Entrée faible Gain) (2)**

Cette prise accepte les instruments à très haut niveau de sortie qui causeraient de la saturation (distorsion) sur l’entrée “High Gain”. Si les deux entrées sont utilisées simultanément, les niveaux sont alors équivalents (“Low Gain”).

## **PRE GAIN (3)**

Contrôle le gain d’entrée du préamplificateur.

## **BRIGHT SWITCH (Interrupteur “Bright”) (4)**

Accentue (de ±8 dB) les fréquences aiguës. Enfoncer l’interrupteur à la position “In” pour mettre en service.

## **PUNCH SWITCH (Sélecteur “Punch”) (5)**

Accentue (préréglé à +8 dB) les fréquences moyennes graves. Activer en abaissant l’interrupteur à la position “In”.

## **POST GAIN (6)**

Commande le volume global de l’amplificateur. Le réglage final de niveau doit être effectué après avoir obtenu la sonorité désirée à l’aide des autres réglages.

## **LEVEL (Niveau) (7)**

Ajuste le niveau de sortie du compresseur/limiteur.

## **COMPRESSOR ACTIVE SWITCH AND DISPLAY (Sélecteur et témoin du compresseur) (8)**

Presser en position «In» pour activer le compresseur. La DEL s’illumine lorsque le compresseur est en service.

## **COMP/LIM (9)**

Ajuste la profondeur de la compression (ratio de compression).

## **LOW (Égalisation grave) (10)**

Réglage de tonalité actif (type passe-bas, ±15 dB), affectant les fréquences de registre grave.

**ATTENTION:** Une forte accentuation des fréquences graves augmente la consommation de puissance et les risques de dommages au haut-parleur.

## **GRAPHIC EQ (Égalisateur graphique à 9 bandes) (11)**

Correction de ±15 dB à chaque bande centrale.

## **HIGH (Commande d’égalisation des fréquences aiguës) (12)**

Réglage de tonalité actif (type passe-haut, ±15 dB) contrôlant les fréquences de registre aigu.

## **DEPTH CONTROL (Réglage d’intensité) (13)**

Contrôle la profondeur (intensité) de l’effet “Chorus”.

## **CHORUS ACTIVE LED (DEL d’activité Chorus) (14)**

Indique que l’effet “Chorus” est sélectionné. Le “Chorus” peut être mis en service par le sélecteur “Chorus Select” ou à distance à l’aide de l’interrupteur au pied.

**CHORUS SELECT SWITCH (Interrupteur chorus) (15)**

Sert à mettre l'effet "Chorus" en/hors circuit. Pour mettre en circuit, placez l'interrupteur en position "In". La diode témoin verte située au dessus de l'interrupteur s'allume lorsque l'effet est en service.

**RATE (Réglage de vitesse) (16)**

Contrôle la vitesse (fréquence) de l'effet "Chorus".

**PREAMP OUT/POWER AMP IN (Sortie préampli/entrée ampli) (17)**

Ces prises jack de boucle d'effets permettent l'insertion d'un appareil d'effets. Pour relier un appareil d'effets, branchez la sortie du préampli ("Preamp Output") à l'entrée de l'appareil. Branchez ensuite la sortie de l'appareil à l'entrée de l'ampli de puissance ("Power Amp Input"). Des câbles blindés de haute qualité doivent être utilisés pour ces connexions. La sortie "Preamp Output" peut aussi être utilisée pour amener le signal amplifié à une table de mixage, un magnétophone, ou autres. Branchez la sortie du préampli à l'entrée du magnétophone, mélangeur, etc, à l'aide de câbles blindés. Ce branchement n'affecte pas le fonctionnement de l'amplificateur.

**NOTE:** Le niveau de sortie du préampli est d'environ 1 volt sous impdance relativement basse (600 ohms). Les appareils d'effets insérés dans cette "boucle" doivent être capables de recevoir ce niveau d'entrée de 1 volt ainsi que de délivrer une sortie de 1 volt de façon à bien alimenter l'ampli de puissance. L'ampli de puissance possède un interrupteur interne qui débranche le préampli interne.

**DDT™ ACTIVE LED (DEL témoin de DDT™) (18)**

S'allume lorsque le circuit de compression "DDT" intervient. Si l'interrupteur "Enable/Defeat" est en position "Defeat", la diode témoin est inopérante.

**DDT™ COMPRESSION ENABLE/DEFEAT (Marche/arrêt DDT™) (19)**

La compression "DDT" est mise hors circuit lorsque le bouton poussoir est en position "Out". Afin de protéger les haut-parleurs, la compression "DDT" devrait toujours être en service.

**ELECTRONIC CROSSOVER (Commande de fréquence de filtre) (20)**

Sert à ajuster la fréquence du réseau de filtre de division ("crossover").

**ATTENTION:** Lorsque vous dsirez utiliser l'amplificateur en mode "Biamp", il est essentiel de sélectionner une fréquence de filtre ("crossover frequency") avant de le mettre sous tension. Une mauvaise sélection de fréquence de coupure (trop grave) peut endommager les haut-parleurs d'aigus.

**LOW OUT (Sortie graves) (21)**

Fournit un signal post filtre ("post crossover") de registre grave pouvant être branché à l'entrée d'un amplificateur de puissance. À ce point, le signal sera traité par le "Chorus" si ce dernier est en fonction. Le niveau du signal dépend du réglage "Post Gain".

**HIGH OUT CHORUS (Sortie chorus aiguës) (22)**

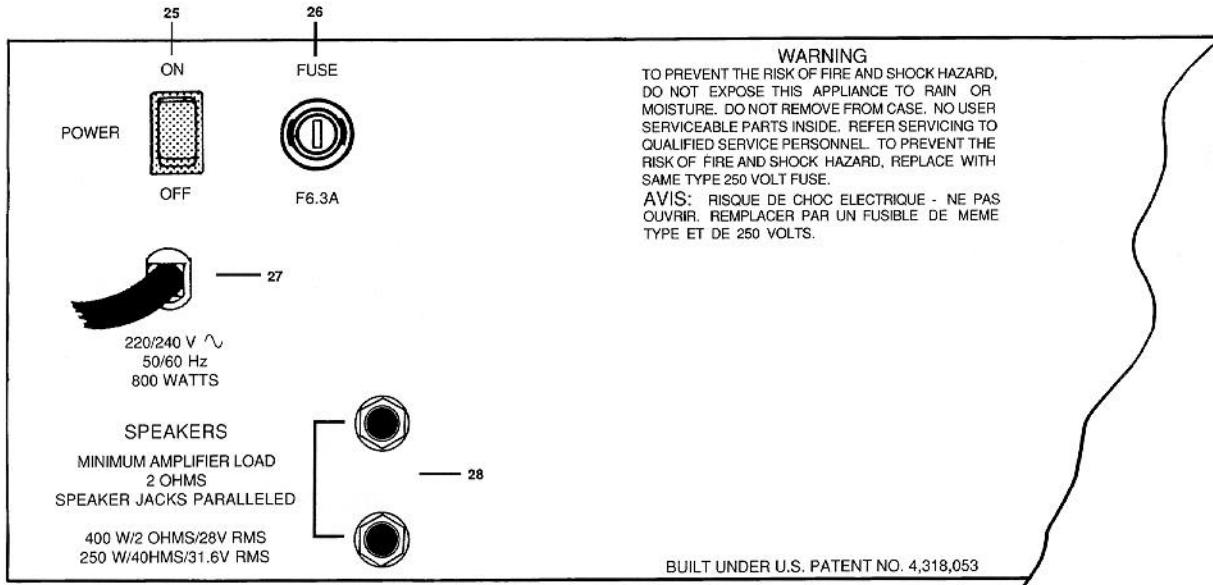
Fournit un signal post filtre ("post crossover") de registre aigu pouvant être branché à l'entrée d'un amplificateur de puissance. Le niveau du signal dépend du réglage "Post Gain".

**REMOTE SWITCH JACK (Prise pour interrupteur à distance) (23)**

Sert à brancher la pédale-interrupteur (en option). L'interrupteur au pied est utilisé pour activer ou désactiver le circuit "Chorus".

**POWER LED (DEL témoin de mise sous tension) (24)**

S'allume lorsque l'ampli reçoit l'alimentation CA.



### POWER SWITCH (Interrupteur d'alimentation) (25)

Appuyez jusqu'en position "On" pour mettre sous tension.

### FUSE (Fusible) (26)

Le fusible se trouve à l'intérieur de son support. Si le fusible grille, IL DOIT ÊTRE REMPLACÉ PAR UN FUSIBLE DE MÉME TYPE ET MÉME VALEUR POUR ÉVITER TOUT DOMMAGE À L'APPAREIL ET ÉVITER D'ANNULER LA GARANTIE. Si le fusible grille de façon répétée, apportez l'appareil à un centre de service qualifié pour réparation.

**AVERTISSEMENT:** LE FUSIBLE NE DOIT ÊTRE REMPLACÉ QUE LORSQUE LE CORDON D'ALIMENTATION EST DÉ BRANCHÉ DE LA SOURCE D'ALIMENTATION.

### LINE CORD (120V products only) (Cordon d'alimentation pour appareils 120V seulement) (27)

Pour votre sécurité, nous avons incorporé un câble d'alimentation secteur à 3 fils avec mise-à-terre appropriée. Il n'est pas recommandé d'enlever la broche de mise-à-terre en aucune circonstance. S'il est nécessaire d'utiliser l'équipement sans mise-à-terre appropriée, utilisez des adaptateurs de mise-à-terre convenables. Une bonne mise-à-terre amoindrit le bruit de fond et réduit grandement les risques de choc.

### SPEAKER OUTPUT JACKS (Sorties haut-parleur) (28)

Prises de sortie pour haut-parleur(s) externes(s). L'impédance totale résultante doit être au minimum de 2 ohms.

# D E U T S C H

**Siehe Diagramm der Frontplatte im englischen Teil des Handbuchs.**

**HIGH GAIN INPUT (High Gain-Eingang) (1)**

Wird für die meisten elektrischen Bässe verwendet; ist 6 dB lauter als der Low Gain-Eingang.

**LOW GAIN INPUT (2)**

Dieser Eingang ist für die Instrumente vorgesehen, die ein besonders hohes Ausgangssignal erzeugen. Falls beide Eingänge gleichzeitig benutzt werden, sind die Ausgangssignale gleich (beide sind dann Low Gain).

**PRE GAIN (3)**

Regelt die Eingangsempfindlichkeit des Vorverstärkers.

**BRIGHT SWITCH (Bright-Schalter) (4)**

Bewirkt eine voreingestellte Anhebung der hohen Frequenzen um  $\pm 8$  dB. Die Bright-Einstellung wird bei eingedrücktem Schalter ("In") aktiviert.

**PUNCH SWITCH (Punch-Schalter) (5)**

Bewirkt eine voreingestellte Anhebung um 8 dB im Bassbereich. Wird bei eingedrücktem Schalter ("In") aktiviert.

**POST GAIN (6)**

Kontrolliert die Gesamtlautstärke des Verstärkers. Die endgültige Lautstärke sollte erst eingestellt werden, wenn der gewünschte Sound erreicht ist.

**LEVEL (7)**

Regelt den Ausgangspegel des Compressor/Limiters.

**COMPRESSOR ACTIVE SWITCH AND DISPLAY (Kompressor aktivschalter und anzeige) (8)**

Um den Kompressor einzuschalten, Schalter in die "in" Position bringen. Das LED leuchtet, wenn der Kompressor in Betrieb ist.

**COMP/LIM (9)**

Regelt den Grad der Kompression (Compression Ratio).

**LOW (10)**

Aktive Klangregelung für die tiefen Frequenzen. Anhebung und Absenkung im Bereich von  $\pm 15$  dB möglich.

Achtung: Extreme Bassanhebung erfordert einen höheren Leistungsbedarf und kann evtl. zu einer Lautsprecherbeschädigung führen.

**GRAPHIC EQ (9-Band Grafik-Equalizer) (11)**

Ermöglicht Klangregelung über  $\pm 15$  dB an jeder der neun Mittenfrequenzen.

**HIGH (12)**

Aktive Klangregelung für den hohen Frequenzbereich ( $\pm 15$  dB).

**DEPTH CONTROL (Depth-Regler) (13)**

Bestimmt die Intensität des Chorus-Effekts.

**CHORUS ACTIVE LED (14)**

Zeigt an, daß der Chorus Effekt angewählt wurde. Der Chorus kann mit dem Chorus Wahlschalter oder dem Fußschalter aktiviert werden.

**CHORUS SELECT SWITCH (Chorus Ein/Aus-Schalter) (15)**

Beim Eindrücken des Schalters (“in”-Stellung) wird der Chorus-Effekt eingeschaltet, und die grüne Chorus-LED brennt.

**RATE (Rate-Regler) (16)**

Bestimmt die Geschwindigkeit des Chorus-Effekts.

**PREAMP OUT/POWER AMP IN (17)**

Diese Buchsen sind vorgesehen für das direkte Einschleifen von Effektgeräten. Um ein Effektgerät anzuschließen, verbinden Sie den Preamp-Output mit dem Eingang des Effekterätes. Als nächstes verbinden Sie den Ausgang des Effekts mit dem Power Amp-Input (für diese Anschlüsse müssen abgeschirmte Kabel verwendet werden). Der Preamp Output kann auch dazu benutzt werden, ein verstärktes Signal direkt in einen Mixer oder eine Bandmaschine zu leiten. Verbinden Sie den Preamp Output über ein abgeschirmtes Kabel mit dem Eingang des Mixers oder der Bandmaschine. Diese Verbindung hat keinen Einfluß auf die Funktion des Verstärkers. Anmerkung: Der Pre-amp Output Vorverstärkerausgangspegel beträgt c. 1 Volt RMS bei 600 Ohm. Jedes Effektgerät, das hier eingeschleift werden soll, muß ein Eingangs- und Ausgangssignal von 1 Volt haben, um den Poweramp richtig anzusteuern. Der Poweramp-Eingang hat einen internen Schalter, der den internen Preamp trennt.

**DDT ACTIVE LED (18)**

Leuchtet auf, wenn DDT Kompression stattfindet. Wenn der DDT Enable/Defeat Schalter sich in der Defeat-Position befindet, ist das LED außer Betrieb.

**DDT COMPRESSION ENABLE/DEFEAT (DDT-Kompression Enable/Defeat) (19)**

Die DDT-Kompression ist bei eingedrückter Taste ausgeschaltet (“Defeat”). Die DDT-Kompression sollte zum Schutz der Lautsprecher ständig eingeschaltet (“Enable”) bleiben.

**ELECTRONIC CROSSOVER (Aktiv-Weichen-Frequenz-Regler) (20)**

Bestimmt die Frequenz, an welcher das Eingangs-Signal in ein Tief- und ein Hochton-Signal getrennt wird.

**ACHTUNG:** Bei Biamp-Betrieb muss darauf geachtet werden, dass die Frequenz korrekt eingestellt ist, bevor der Verstärker eingeschaltet wird. Falsche Einstellungen (d.h. eine zu tiefe Trennfrequenz) kann HochtonLautsprecher beschädigen!

**LOW OUT (21)**

Bietet ein Post-Crossover Signal im Tieftonbereich, das an den Input einer Endstufe angeschlossen werden kann. Der Signalpegel ist abhängig von der Post-Gain Einstellung.

**HIGH OUT CHORUS (22)**

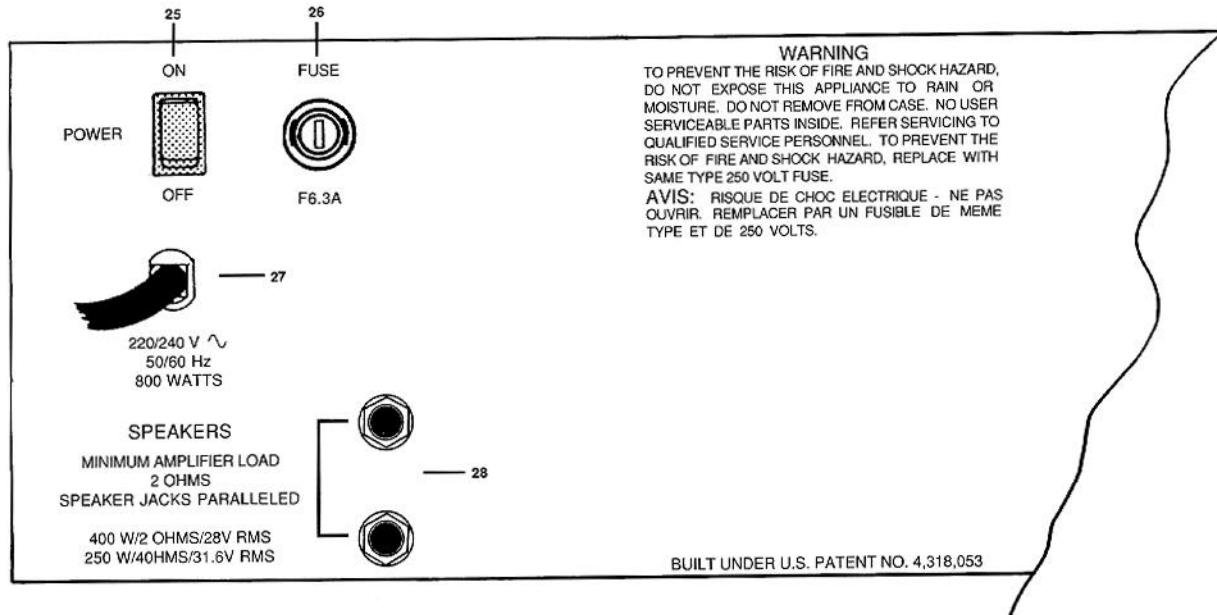
Bietet ein Post-Crossover Signal im Hochtonbereich, das an den Input einer Endstufe angeschlossen werden kann. Wenn der Choruseffekt eingeschaltet ist, ist das Signal an dieser Stelle mit dem Choruseffekt versehen. Der Signalpegel ist abhängig von der Post-Gain Einstellung.

**REMOTE SWITCH JACK (Buchse für fußschalter) (23)**

Dient zum Anschluss eines externen Pedals zum Ein- und Ausschalten des Chorus-Effekts.

**POWER LED (24)**

Zeigt die eingeschaltete Netzspannung an.



### **POWER SWITCH (Netzschalter) (25)**

Zum Einschalten in Position "On" drücken.

### **FUSE (26)**

Die Sicherung befindet sich innerhalb der Kappe des Sicherungshalters. Wenn die Sicherung durchbrennt, MUSS SIE DURCH EINE DES GLEICHEN TYPS UND MIT DEM GLEICHEN WERT ERSETZT WERDEN, UM DAS GERÄT ZU SCHÜTZEN UND DIE GARANTIELEISTUNGEN ZU ERHALTEN. Wenn am Verstärker wiederholt die Sicherung durchbrennt, muß das Gerät in eine qualifizierte Fachwerkstatt.

**WARNUNG: SICHERUNGSWECHSEL NUR BEI ABGEZOGENEM NETZKABEL VORNEHMEN!**

### **LINE CORD (120V products only) (Nur bei 120 Volt-Geräten) (27)**

Zu Ihrer Sicherheit haben wir das Gerät mit einem dreiadrigen geerdeten Netzkabel versehen. Es ist unter keinen Umständen empfehlenswert den Erdungskontakt des Anschlußkabels zu lösen. Falls es notwendig sein sollte, das Equipment ohne die vorgesehene Erdung zu betreiben empfiehlt sich die Verwendung eines Grounding Adaptors. Die geringsten Störgeräusche und die höchste Sicherheit vor elektrischen Schlägen wird jedoch durch die Benutzung der vorgesehenen Erdungsmöglichkeiten erreicht.

### **SPEAKER OUTPUT JACKS (Speaker Outputs) (28)**

Vorgesehen für den Anschluß externer Lautsprecher. Die Gesamtimpedanz von 2 Ohm darf nicht unterschritten werden.

**THIS LIMITED WARRANTY VALID ONLY WHEN PURCHASED AND REGISTERED IN THE UNITED STATES OR CANADA. ALL EXPORTED PRODUCTS ARE SUBJECT TO WARRANTY AND SERVICES TO BE SPECIFIED AND PROVIDED BY THE AUTHORIZED DISTRIBUTOR FOR EACH COUNTRY.**  
Ces clauses de garantie ne sont valables qu'aux Etats-Unis et au Canada. Dans tous les autres pays, les clauses de garantie et de maintenance sont fixées par le distributeur national et assurée par lui selon la législation en vigueur.  
Diese Garantie ist nur in den USA und Kanada gültig. Alle Export-Produkte sind der Garantie und dem Service des Importeurs des jeweiligen Landes unterworfen. Esta garantía es válida solamente cuando el producto es comprado en E.U. continentales o en Canadá. Todos los productos que sean comprados en el extranjero, están sujetos a las garantías y servicios que cada distribuidor autorizado determine y ofrezca en los diferentes países.

**PEAVEY ONE-YEAR LIMITED WARRANTY/REMEDY**

PEAVEY ELECTRONICS CORPORATION ("PEAVEY") warrants this product, EXCEPT for covers, footswitches, patchcords, tubes and meters, to be free from defects in material and workmanship for a period of one (1) year from date of purchase, PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is subject to the conditions, exclusions, and limitations hereinafter set forth:

**PEAVEY 90-DAY LIMITED WARRANTY ON TUBES AND METERS**

If this product contains tubes or meters, Peavey warrants the tubes or meters contained in the product to be free from defects in material and workmanship for a period of ninety (90) days from date of purchase; PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is also subject to the conditions, exclusions, and limitations hereinafter set forth.

**CONDITIONS, EXCLUSIONS, AND LIMITATIONS OF LIMITED WARRANTIES**

These limited warranties shall be void and of no effect, if:

- a. The first purchase of the product is for the purpose of resale; or
- b. The original retail purchase is not made from an AUTHORIZED PEAVEY DEALER; or
- c. The product has been damaged by accident or unreasonable use, neglect, improper service or maintenance, or other causes not arising out of defects in material or workmanship; or
- d. The serial number affixed to the product is altered, defaced, or removed.

In the event of a defect in material and/or workmanship covered by this limited warranty, Peavey will:

- a. In the case of tubes or meters, replace the defective component without charge.
- b. In other covered cases (i.e., cases involving anything other than covers, footswitches, patchcords, tubes or meters), repair the defect in material or workmanship or replace the product, at Peavey's option; and provided, however, that, in any case, all costs of shipping, if necessary, are paid by you, the purchaser.

THE WARRANTY REGISTRATION CARD SHOULD BE ACCURATELY COMPLETED AND MAILED TO AND RECEIVED BY PEAVEY WITHIN FOURTEEN (14) DAYS FROM THE DATE OF YOUR PURCHASE.

In order to obtain service under these warranties, you must:

- a. Bring the defective item to any PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER and present therewith the ORIGINAL PROOF OF PURCHASE supplied to you by the AUTHORIZED PEAVEY DEALER in connection with your purchase from him of this product. If the DEALER or SERVICE CENTER is unable to provide the necessary warranty service you will be directed to the nearest other PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER which can provide such service.

**OR**

- b. Ship the defective item, prepaid, to:

**PEAVEY ELECTRONICS CORPORATION**  
International Service Center  
326 Hwy. 11 & 80 East  
MERIDIAN, MS 39301

including therewith a complete, detailed description of the problem, together with a legible copy of the original PROOF OF PURCHASE and a complete return address. Upon Peavey's receipt of these items:

If the defect is remedial under these limited warranties and the other terms and conditions expressed herein have been complied with, Peavey will provide the necessary warranty service to repair or replace the product and will return it, FREIGHT COLLECT, to you, the purchaser.

Peavey's liability to the purchaser for damages from any cause whatsoever and regardless of the form of action, including negligence, is limited to the actual damages up to the greater of \$500.00 or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. Such purchase price will be that in effect for the specific product when the cause of action arose. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. Peavey does not assume liability for personal injury or property damage arising out of or caused by a non-Peavey alteration or attachment, nor does Peavey assume any responsibility for damage to interconnected non-Peavey equipment that may result from the normal functioning and maintenance of the Peavey equipment.

UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, ANY INCIDENTAL DAMAGES, OR ANY CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

THESE LIMITED WARRANTIES ARE IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE; PROVIDED, HOWEVER, THAT IF THE OTHER TERMS AND CONDITIONS NECESSARY TO THE EXISTENCE OF THE EXPRESSED, LIMITED WARRANTIES, AS HEREINABOVE STATED, HAVE BEEN COMPLIED WITH, IMPLIED WARRANTIES ARE NOT DISCLAIMED DURING THE APPLICABLE ONE-YEAR OR NINETY-DAY PERIOD FROM DATE OF PURCHASE OF THIS PRODUCT.

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THESE LIMITED WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

THESE LIMITED WARRANTIES ARE THE ONLY EXPRESSED WARRANTIES ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY, OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY.

In the event of any modification or disclaimer of expressed or implied warranties, or any limitation of remedies, contained herein conflicts with applicable law, then such modification, disclaimer or limitation, as the case may be, shall be deemed to be modified to the extent necessary to comply with such law.

Your remedies for breach of these warranties are limited to those remedies provided herein and Peavey Electronics Corporation gives this limited warranty only with respect to equipment purchased in the United States of America.

**INSTRUCTIONS — WARRANTY REGISTRATION CARD**

1. Mail the completed WARRANTY REGISTRATION CARD to:

**PEAVEY ELECTRONICS CORPORATION**  
POST OFFICE BOX 2898  
MERIDIAN, MISSISSIPPI 39302-2898

- a. Keep the PROOF OF PURCHASE. In the event warranty service is required during the warranty period, you will need this document. There will be no identification card issued by Peavey Electronics Corporation.
2. IMPORTANCE OF WARRANTY REGISTRATION CARDS AND NOTIFICATION OF CHANGES OF ADDRESSES:
  - a. Completion and mailing of WARRANTY REGISTRATION CARDS — Should notification become necessary for any condition that may require correction, the REGISTRATION CARD will help ensure that you are contacted and properly notified.
  - b. Notice of address changes — If you move from the address shown on the WARRANTY REGISTRATION CARD, you should notify Peavey of the change of address so as to facilitate your receipt of any bulletins or other forms of notification which may become necessary in connection with any condition that may require dissemination of information or correction.
3. You may contact Peavey directly by telephoning (601) 483-5365.

## **IMPORTANT SAFETY INSTRUCTIONS**

**WARNING:** When using electric products, basic cautions should always be followed, including the following.

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be retained for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This product should not be used near water, i.e., a bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat such as a stove, radiator, or another heat producing amplifier.
8. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
9. Never break off the ground pin on the power supply cord. For more information on grounding, write for our free booklet "Shock Hazard and Grounding."
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
12. If this product is to be mounted in an equipment rack, rear support should be provided.
13. Metal parts can be cleaned with a damp rag. The vinyl covering used on some units can be cleaned with a damp rag or an ammonia-based household cleaner if necessary. Disconnect unit from power supply before cleaning.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation holes or any other openings.
15. This unit should be checked by a qualified service technician if:
  - a. The power supply cord or plug has been damaged.
  - b. Anything has fallen or been spilled into the unit.
  - c. The unit does not operate correctly.
  - d. The unit has been dropped or the enclosure damaged.
16. The user should not attempt to service this equipment. All service work should be done by a qualified service technician.
17. This product should be used only with a cart or stand that is recommended by Peavey Electronics.
18. Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably in susceptibility to noise induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures.

Duration Per Day In Hours	Sound Level dBA, Slow Response
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 or less	115

According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss.

Ear plugs or protectors in the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss if exposure is in excess of the limits as set forth above. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels such as this amplification system be protected by hearing protectors while this unit is in operation.

**SAVE THESE INSTRUCTIONS!**



Features and specifications subject to change without notice.

**Peavey Electronics Corporation** 711 A Street / Meridian, MS 39301 / U.S.A. / (601) 483-5365 / Telex 504115 / Fax 486-1278  
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